

recording sheet to form an image, and use of the porous ink jet recording sheet can provide the most excellent performance.

The paragraph on page 43, line 16 has been amended as follows:

In the ink image recording process of item 28, the pigment ink comprises pigment *As* particles having an average primary particle size which is not more than 80% of an average void size of the porous ink jet recording sheet. The use of the above pigment ink can perfectly attain the object of the invention.

REMARKS

Claims 29 and 33 and the specification have been amended. The amendments are fully supported by the written description. Also, no new matter has been introduced into the application. Applicants respectfully request entry of this amendment before examination.

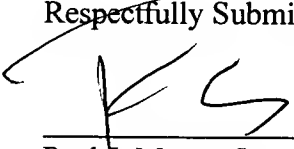
If the Examiner has any questions or needs any additional information, the Examiner is invited to telephone the undersigned attorney at (415) 954-0323.

If for any reason an insufficient fee has been paid, the Commissioner is hereby authorized to charge the insufficiency to Deposit Account No. 07-1850.

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Respectfully Submitted,



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Version with markings to show changes made

In the Claims:

Please amend claims 29 and 33.

29. (Amended) A process for manufacturing a pigment dispersion liquid, wherein the [method] process comprises the step of adding a pigment solution to an aqueous pigment solution in which a pigment derivative having an anionic group is dissolved in an aqueous medium or an aqueous pigment dispersion liquid in which a pigment derivative having an anionic group is dispersed in an aqueous medium.

[32] 33. (Amended) A pigment ink manufactured from the pigment dispersion liquid manufactured according to the process of claim 29.

In the Specification:

The paragraph on page 35, line 10 has been amended as follows:

The process described in item [12] 21 for manufacturing the pigment dispersion liquid is characterized in that precipitation and desalting are simultaneously carried out. Desalting referred to in the invention implies a process in which, in the manufacturing process of the pigment dispersion liquid employing polymers, pigment derivatives having a polar group and pigment, salts such as sodium salts, acidic solvents or alkaline aprotic polar solvents are eliminated from the dispersion liquid while or after the pigment dispersion liquid is prepared. As the desalting, various methods such as a centrifugal separation method, a flotation separation method, a sedimentation separation method, an ultrafiltration method, and an electrodialysis method are preferably used. In the invention, an ultrafiltration method is more preferably used.

The paragraph on page 41, line 16 has been amended as follows:

The ink jet recording mediums used in the invention include plain paper, coated paper, a swell type ink jet recording paper sheet, in which an ink receiving layer capable of absorbing ink and swelling is provided on a paper substrate, a void type ink jet recording paper sheet, in which a porous ink receiving layer is provided on a paper substrate, and ink jet recording resin sheet in which a substrate of resin such as polyethylene terephthalate is used instead of a paper substrate. The ink jet image recording process of item [14] 25 comprises jetting the pigment ink on a porous ink jet recording sheet to form an image, and use of the porous ink jet recording sheet can provide the most excellent performance.

The paragraph on page 43, line 16 has been amended as follows:

In the ink image recording process of item [15] 28, the pigment ink comprises pigment particles having an average primary particle size which is not more than 80% of an average void size of the porous ink jet recording sheet. The use of the above pigment ink can perfectly attain the object of the invention.